

CLAIMS

What is claimed is:

1. A method of grounding a dispenser comprising:  
connecting a low impedance path to elements internal to the dispenser;  
connecting the low impedance path to a surface contact spring adapted to contact an external mounting surface when the dispenser is affixed to the external mounting surface; and  
discharging static electrical charge accumulated on the elements to the external mounting surface through the low impedance path and the surface contact spring.
2. The method as in claim 1, wherein the dispenser includes a nib roller and the method further comprises connecting the low impedance path to the nib roller.
3. The method as in claim 2 further comprising connecting a shaft of the nib roller to the low impedance path using a spring contact.
4. A paper dispenser comprising:  
a support adapted to hold a roll of a paper;  
a motor driven feed mechanism adapted to receive and dispense paper from the roll;  
a surface contact spring adapted to contact a mounting surface external to the dispenser when the dispenser is affixed to the mounting surface; and  
at least one low impedance wire having a first end electrically coupled to the surface contact spring and a second end coupled to an element internal to the dispenser.
5. The dispenser of claim 4, wherein the feed mechanism includes a nib roller and the second end of the at least one low impedance wire is coupled to the nib roller.
6. The dispenser of claim 5, wherein the dispenser further comprises a spring contact coupling the second end of the at least one low impedance wire to the nib roller.

7. The dispenser of claim 6, wherein the nib roller includes a shaft and the spring contact couples the second end of the at least one low impedance wire to the shaft.

8. A dispenser for dispensing flexible sheet material comprising:  
a chassis including a mounting member adapted to affix the chassis to a support surface;  
a feed mechanism affixed to the chassis, the feed mechanism including at least one roller and being adapted to advance sheet material from a roll of sheet material across the roller;  
an electronic controller affixed to the chassis and adapted to control dispensation of the sheet material; and  
a conductive path extending from the roller toward the mounting member, wherein the conductive path is adapted to contact the support surface when the chassis is affixed thereto and to discharge static electricity accumulated on the at least one roller to the support surface.

9. The dispenser of claim 8, wherein the roller includes a roller shaft and the conductive path includes an arm adapted to contact the roller shaft.

10. The dispenser of claim 9, wherein the arm is spring biased against the roller shaft.